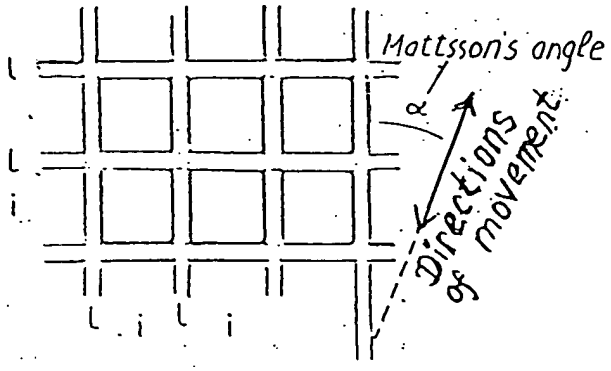
Kolov. Information to Amendmend to Advisory Action at 10/17/94



Mattsson's design of Grid

$$tg\,\alpha_1 = \frac{1}{3l + 3i} \qquad tg\,\alpha_7 = \frac{l + i}{3l + 2i} \; (= \cot\alpha_4)$$

$$tg\,\alpha_2 = \frac{1}{2l + 2i} \qquad tg\,\alpha_8 = \frac{l + i}{2l + i} \; (= \cot\alpha_3)$$

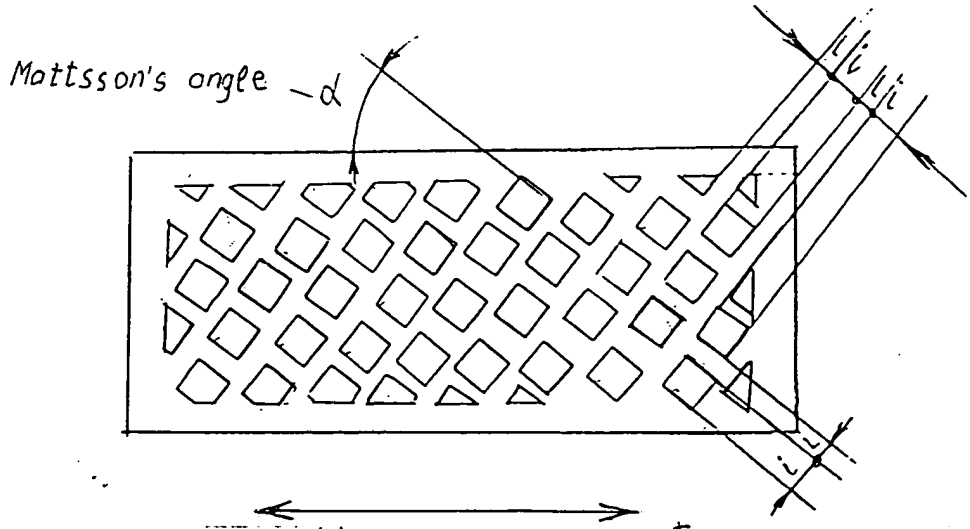
$$tg\,\alpha_3 = \frac{1}{l + i} \qquad tg\,\alpha_9 = \frac{l + i}{l} \; (= \cot\alpha_1)$$

$$tg\,\alpha_4 = \frac{2l + i}{l + i} \qquad tg\,\alpha_{10} = \frac{2l + 2i}{l} \; (= \cot\alpha_2)$$

$$tg\,\alpha_5 = \frac{3l + 2i}{l + i} \qquad tg\,\alpha_{11} = \frac{3l + 3i}{l} \; (= \cot\alpha_1)$$

$$tg\,\alpha_6 = \frac{2l + i}{2l + 2i} \qquad tg\,\alpha_{12} = \frac{2l + 2i}{2l + i} \; (= \cot\alpha_4)$$

Mattsson's formulas



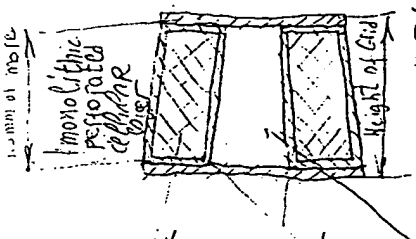
Design of Grid by present invention

EXHIBIT 1

Analysis of Differenses between O. Sokolov's Grid and Grids opposited by Examiner Mr. Church and evidence of patentability of Grid of O. Sokolov

O. Sorokov's Grid.

Schematic, Crosssection of structure



(f.e. photosensitive glass)

For creation of cellular structure plate of photosensitive glass is eiposured by X-ray.

Date of filing to US Patent Off. and name of document

11/29/94, Disclosure document #297111

Filed in US Patend & Trademark Office at November 29 1991, Disclosure document 297111 - - - -

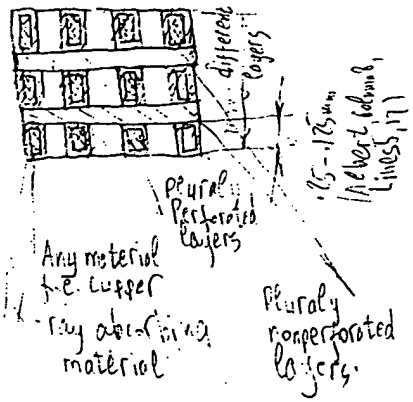
cellular

Grid's assembled Collimator

US Patent 4,288,697, Sep. 8, 1981

Where is described differences and defects with O. Sokolov's Grid

Schematic, Crosssection of Structure

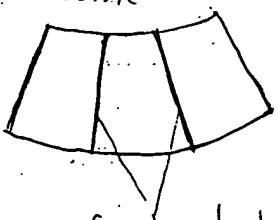


Opposed by examiner to Grid of O. Sokolov

Caldwell's apparatus US Patent 1,208,474, Dec. 12, 1916

Where is described differences and defects with O. Sokolov's Grid

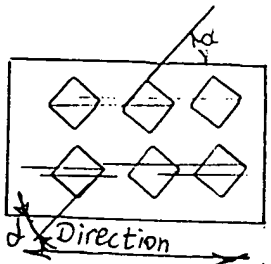
Schematic crosssection of structure



Strips of Lead or other opaque to X-Ray Material

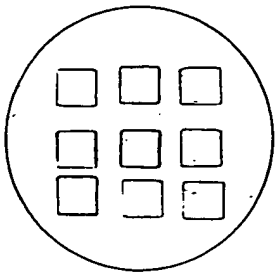
Opposed by examiner to Grid of O. Sokolov

Plane view



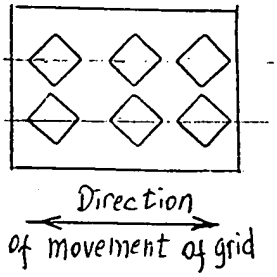
Nondiagonal orientation of cells, under angle α (Mattsson angle) relation to side which parallel of direction of movement of grid

Plane view



Parallel each other cells, no any movements of collimator

Plane view



Diagonal orientation to sides which parallel to direction of movement of Grid

EXHIBIT 2

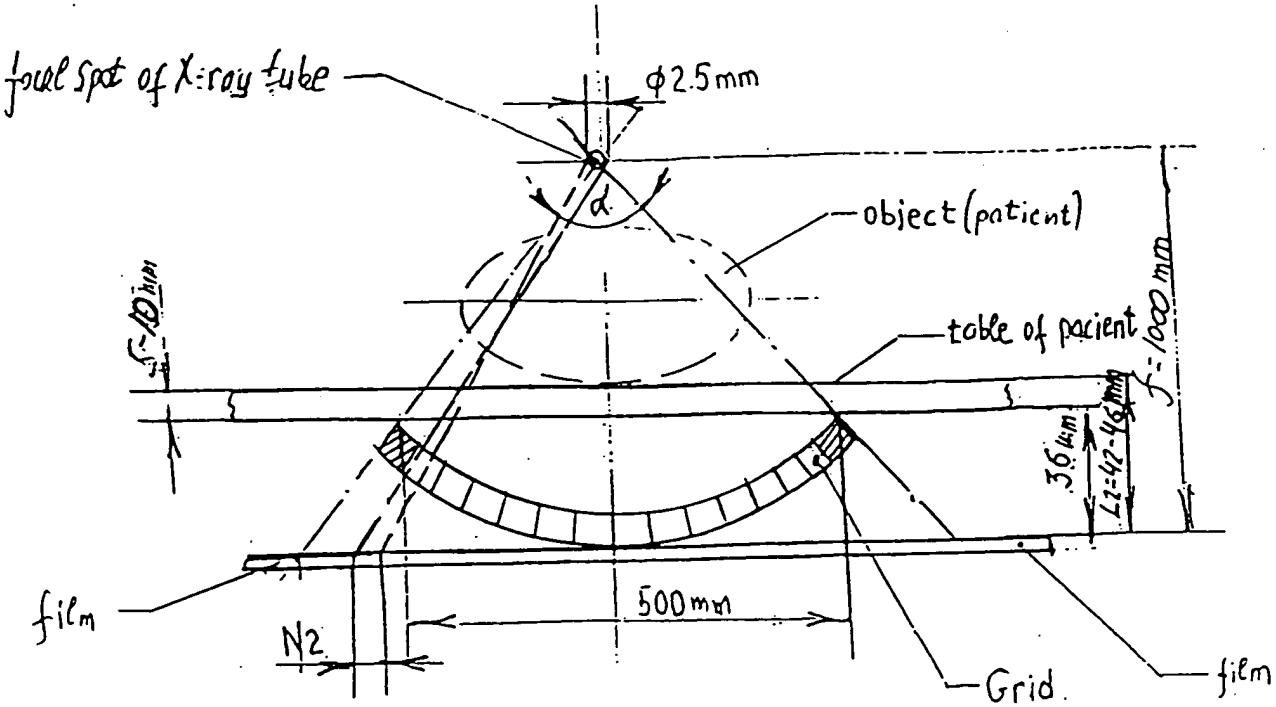


Fig. A

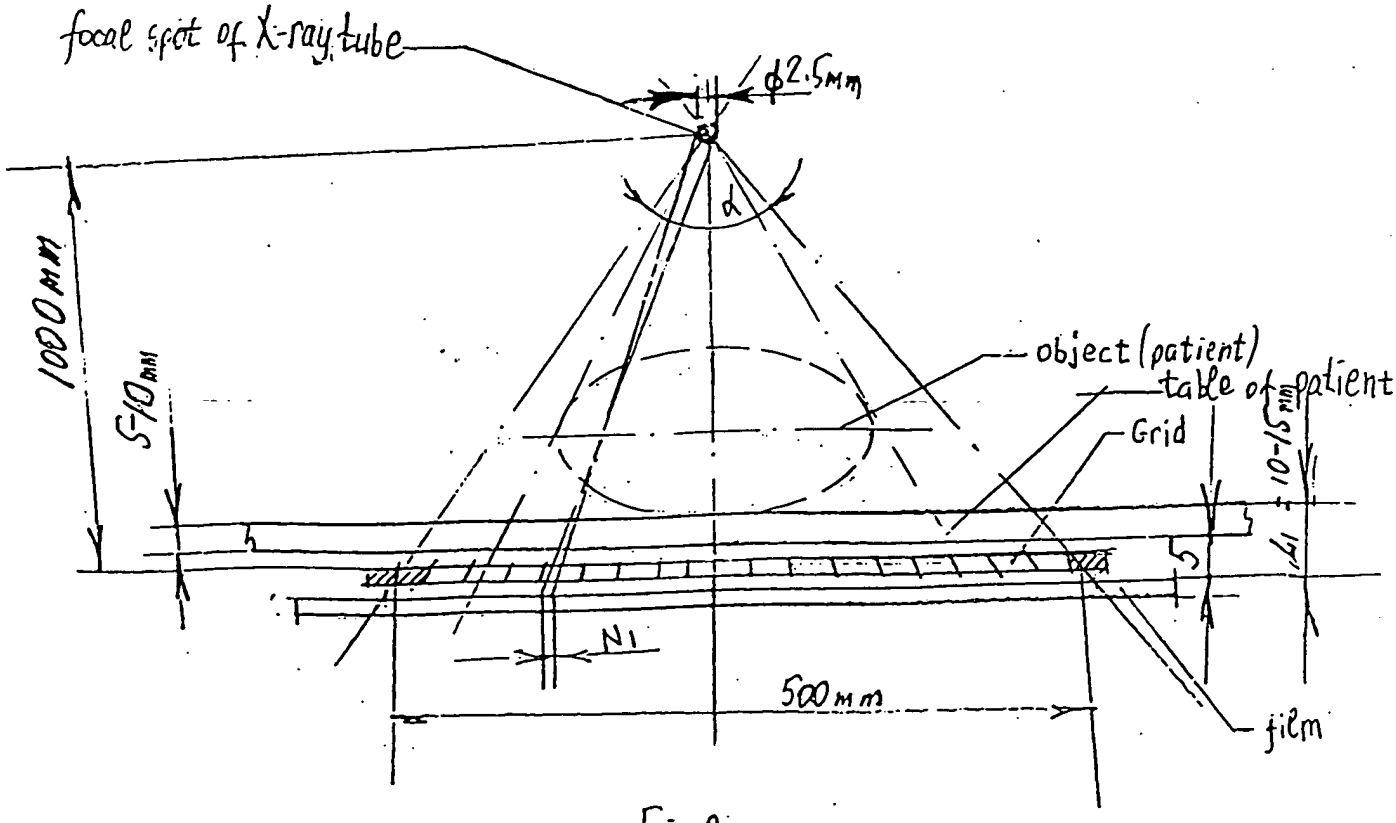
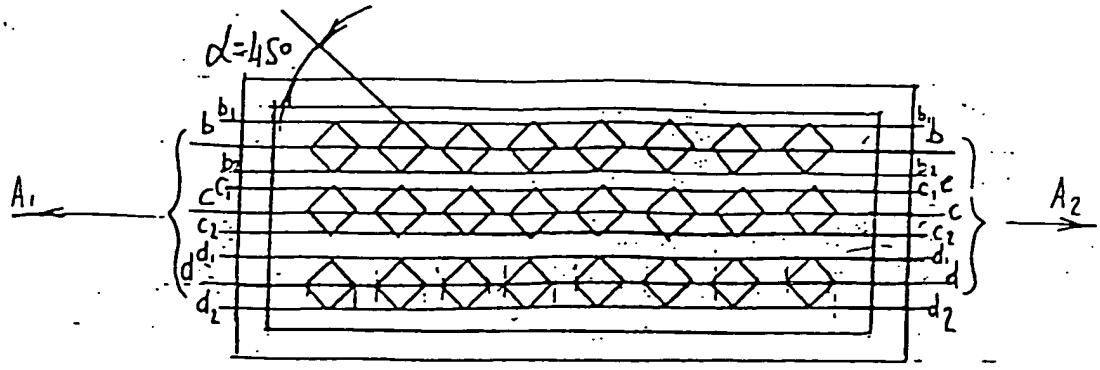


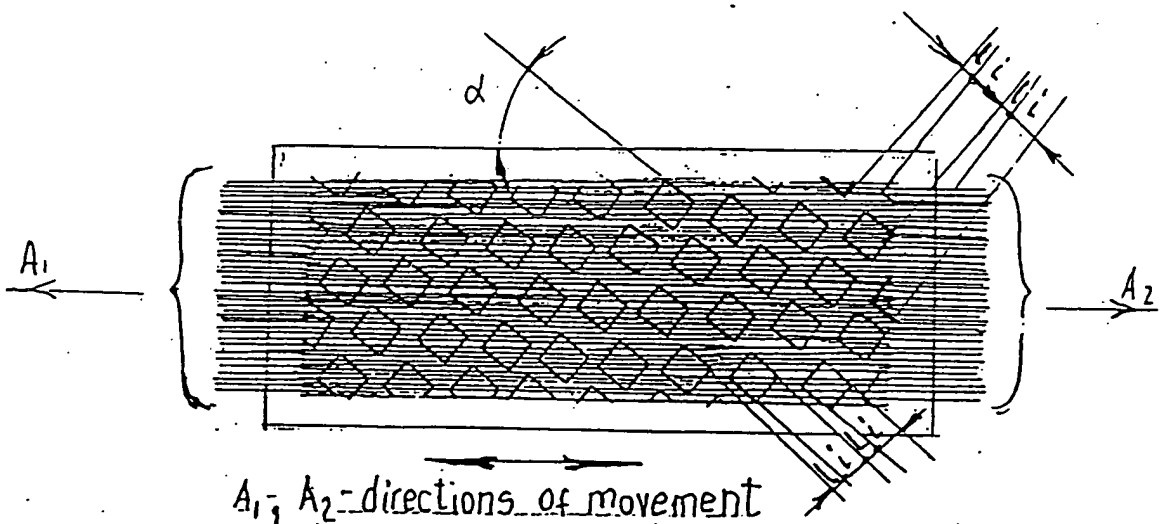
Fig B

EXHIBIT 3



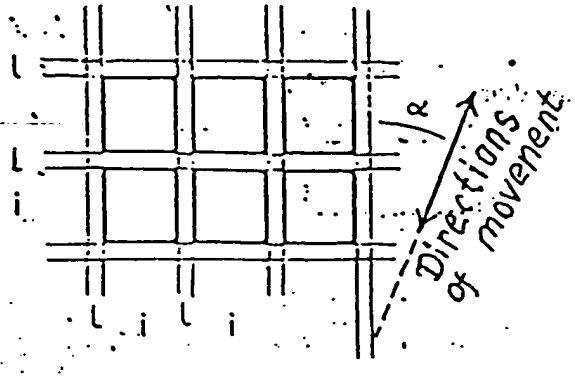
A_1, A_2 - directions of movement

Fig. C



A_1, A_2 - directions of movement

Design of grid by present invention



$$tg\,\alpha_1 = \frac{1}{3l + 3i} \qquad tg\,\alpha_7 = \frac{l+i}{3l+2i} \; (= \cot\alpha_4)$$

$$tg\,\alpha_2 = \frac{1}{2l + 2i} \qquad tg\,\alpha_8 = \frac{l+i}{2l+i} \; (= \cot\alpha_3)$$

$$tg\,\alpha_3 = \frac{1}{l + i} \qquad tg\,\alpha_9 = \frac{l+i}{l} \; (= \cot\alpha_2)$$

$$tg\,\alpha_4 = \frac{2l + i}{l + i} \qquad tg\,\alpha_{10} = \frac{2l+2i}{l} \; (= \cot\alpha_1)$$

$$tg\,\alpha_5 = \frac{3l + 2i}{l + i} \qquad tg\,\alpha_{11} = \frac{3l+3i}{l} \; (= \cot\alpha_1)$$

$$tg\,\alpha_6 = \frac{2l + i}{2l + 2i} \qquad tg\,\alpha_{11} = \frac{2l+2i}{2l+i} \; (= \cot\alpha_4)$$

Mottson's formulas

Fig. D

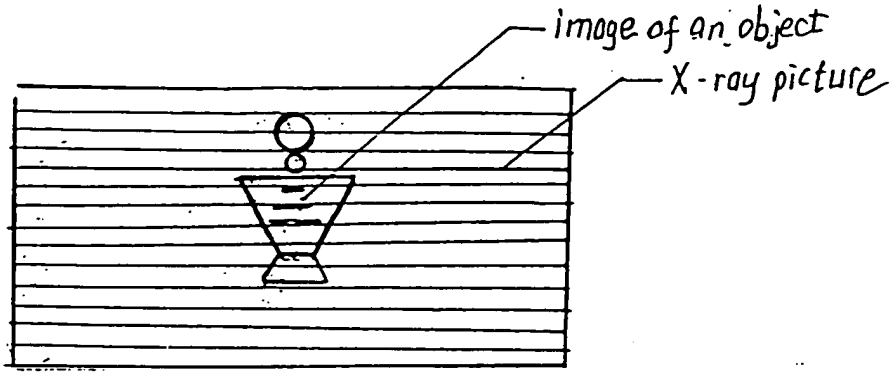


Fig. E

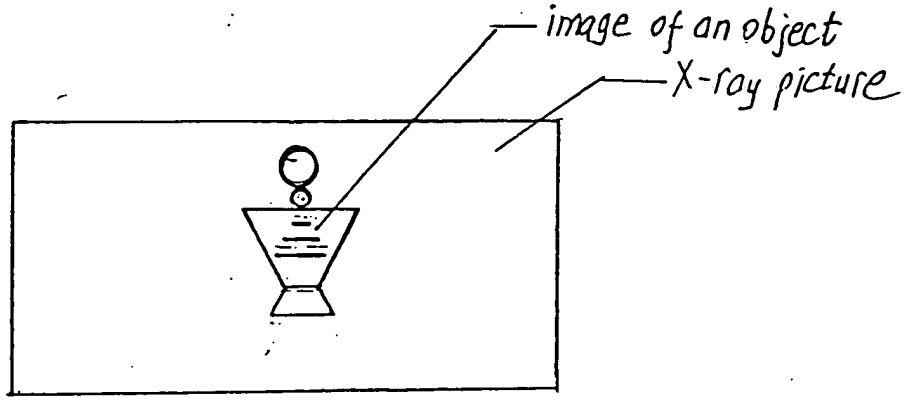


Fig. F